

120503  
11324 U.S. PTO

22390 U.S. PTO  
10/728562  
120503

By Express Mail #EV402735955US

Attorney Docket No.: 5250- 7

*Check box if applicable:*  DUPLICATE

## UTILITY PATENT APPLICATION TRANSMITTAL

*Submit an original and a duplicate for fee processing*

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Dated: December 5, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the utility patent application of:

Inventor(s): Robert R. ALFANO, Shengkun ZHANG, Wubao WANG

For: Photodetectors and Optically Pumped Emitters Based on III-Nitride Multiple-Quantum-Well Structures

Enclosed are:

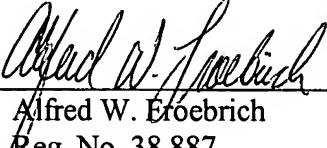
- Transmittal letter (2x) with Fee Computation Sheet
- General Authorization For Payment of Fees (2x)
- Title Page, Specification, Claims 1 to 36 & Abstract (25 pages [total number of pages of application])
- Unexecuted Declaration and Power of Attorney (3 p.)
- 8 sheet(s) of drawing(s) (Figs. 1 to 8)
- Check for \$572 for filing fee
- Small Entity Status is claimed
- Information Disclosure Statement
- PTO Form 1449 with copy (1 docs.) of cited reference
- Return Receipt Postcard

This application is to be assigned to: Research Foundation of City University of New York

By Express Mail #EV402735955US

- Please charge my Deposit Account No. 03-2412 in the amount of \$. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this application or credit any overpayment to Deposit Acct. No. 03-2412.
- Any additional filing fees required under 37 CFR 1.16.
- Any patent application processing fees under 37 CFR 1.17
- Any filing fees under 37 CFR 1.16 for presentation of extra claims.
- Priority is claimed for this invention and application, corresponding applications having been filed in US on **December 05, 2002**, No. **60/430,971**.

Respectfully submitted,  
COHEN, PONTANI, LIEBERMAN & PAVANE

By:   
Alfred W. Froebich  
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Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Robert R. ALFANO et al.

Serial No.: n/a

Filed: concurrently

For: Photodetectors and Optically  
Pumped Emitters Based on III-  
Nitride Multiple-Quantum-Well  
Structures

Check box if applicable:

DUPLICATE

**GENERAL AUTHORIZATION FOR PAYMENT OF FEES  
AND PETITIONS FOR EXTENSIONS OF TIME**  
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Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 03-2412

- Any filing fees required under 37 CFR §1.16.
- Any patent application processing fees under 37 CFR §1.17 not otherwise paid by check.
- The issue fee set in 37 CFR 1.18 at 3 months from mailing of the Notice of Allowance, pursuant to 37 CFR 1.311 (b) provided the fee has not already been paid by check.
- Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,  
COHEN, PONTANI, LIEBERMAN & PAVANE

By

  
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## FILING FEE COMPUTATION SHEET

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The filing fee has been calculated as shown below:

FOR:	Col. 1	Col. 2	SMALL ENTITY	OTHER THAN SMALL ENTITY
	# FILED	# EXTRA		
BASIC FEE			\$385	\$770
TOTAL CLAIMS	<u>36</u> - 20 =	<u>16</u>	x 9 = \$ 144	x 18 = \$
INDEPENDENT CLAIMS	<u>4</u> - 3 =	<u>1</u>	x 43 = \$ 43	x 86 = \$
<input type="checkbox"/> MULTIPLE DEPENDENCY			+\$145 = \$	+290 \$
* If the difference in Col. 1 is less than zero, enter "0" in Col. 2			TOTAL: \$ 572	\$